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4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 16/08/2022

Lab ID	:	CP-2023-04-26-39
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-08-22
Customer ID	:	Sump Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	15/08/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Sump Concrete	M20	08/08/2022	15/08/2022	150.57 X 149.74 X 151.97	22546	8.572	408.0	18.1	18.4
2	Sump Concrete	M20	08/08/2022	15/08/2022	149.78 X 151.18 X 149.45	22644	8.311	426.4	18.8	
3	Sump Concrete	M20	08/08/2022	15/08/2022	151.79 X 151.99 X 149.43	23070	8.111	422.2	18.3	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Agency/Representative
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ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

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Quality Manager

****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-04-26-39 Date: 05/09/2022

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division

Agency : Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091

Customer's Reference : EE/DD/W.O/579/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 10-08-22

Customer ID : Sump Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 05/09/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Sump Concrete	M20	08/08/2022	05/09/2022	149.61 X 151.93 X 150.42	22731	8.722	533.1	23.5	23.4
2	Sump Concrete	M20	08/08/2022	05/09/2022	151.74 X 150.38 X 149.31	22818	8.828	522.7	22.9	
3	Sump Concrete	M20	08/08/2022	05/09/2022	149.25 X 150.16 X 151.15	22412	8.986	537.3	24.0	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2023-04-26-39** **Date: 17/08/2022**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-08-22
Customer ID	:	GF Lintel Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/08/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Lintel Concrete	M20	10/08/2022	17/08/2022	150.88 X 149.15 X 151.58	22504	8.127	405.6	18.0	18.4
2	GF Lintel Concrete	M20	10/08/2022	17/08/2022	149.58 X 151.08 X 149.87	22599	8.869	416.4	18.4	
3	GF Lintel Concrete	M20	10/08/2022	17/08/2022	149.19 X 150.11 X 150.69	22395	8.996	418.8	18.7	

• The results obtained are satisfactory as per standard requirements.

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-04-26-39 **Date: 07/09/2022**

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division

Agency : Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091

Customer's Reference : EE/DD/W.O/579/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 13-08-22

Customer ID : GF Lintel Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 07/09/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Lintel Concrete	M20	10/08/2022	07/09/2022	149.50 X 150.78 X 149.14	22541	8.299	520.7	23.1	22.9
2	GF Lintel Concrete	M20	10/08/2022	07/09/2022	149.13 X 151.18 X 150.91	22545	8.164	505.3	22.4	
3	GF Lintel Concrete	M20	10/08/2022	07/09/2022	151.04 X 149.99 X 150.88	22655	8.969	528.0	23.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 27/08/2022

Lab ID	:	**CP-2023-04-26-39**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-08-22
Customer ID	:	FF Lintel Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	26/08/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	FF Lintel Concrete	M20	19/08/2022	26/08/2022	149.65 X 151.07 X 151.47	22608	8.282	411.9	18.2	18.4
2	FF Lintel Concrete	M20	19/08/2022	26/08/2022	149.41 X 151.52 X 151.73	22638	8.274	425.6	18.8	
3	FF Lintel Concrete	M20	19/08/2022	26/08/2022	151.08 X 149.33 X 149.81	22560	8.419	412.2	18.3	

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Authorized Signatory
Quality Manager

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 16/09/2022

Lab ID	:	CP-2023-04-26-39
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-08-22
Customer ID	:	FF Lintel Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	16/09/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	FF Lintel Concrete	M20	19/08/2022	16/09/2022	151.33 X 149.42 X 151.80	22612	8.282	527.8	23.3	22.9
2	FF Lintel Concrete	M20	19/08/2022	16/09/2022	151.31 X 150.60 X 149.18	22788	8.789	505.1	22.2	
3	FF Lintel Concrete	M20	19/08/2022	16/09/2022	149.64 X 149.75 X 150.55	22409	8.233	517.6	23.1	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2023-04-26-39** **Date: 17/08/2022**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-08-22
Customer ID	:	GF Beam concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	17/08/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Beam concrete	M20	10/08/2022	17/08/2022	150.26 X 150.41 X 151.99	22601	8.394	426.4	18.9	18.4
2	GF Beam concrete	M20	10/08/2022	17/08/2022	149.51 X 150.63 X 151.67	22521	8.794	409.9	18.2	
3	GF Beam concrete	M20	10/08/2022	17/08/2022	150.62 X 150.98 X 149.61	22741	8.150	413.9	18.2	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 07/09/2022

Lab ID	:	CP-2023-04-26-39
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-08-22
Customer ID	:	GF Beam concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	07/09/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Beam concrete	M20	10/08/2022	07/09/2022	149.95 X 150.66 X 151.03	22591	8.544	537.4	23.8	23.2
2	GF Beam concrete	M20	10/08/2022	07/09/2022	149.58 X 151.79 X 150.70	22705	8.196	511.7	22.5	
3	GF Beam concrete	M20	10/08/2022	07/09/2022	151.26 X 150.26 X 151.33	22729	8.735	528.7	23.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-04-26-39 **Date: 27/08/2022**

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division

Agency : Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091

Customer's Reference : EE/DD/W.O/579/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 22-08-22

Customer ID : FF Beam concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/08/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	FF Beam concrete	M20	19/08/2022	26/08/2022	150.75 X 151.11 X 151.48	22780	8.804	425.6	18.7	18.6
2	FF Beam concrete	M20	19/08/2022	26/08/2022	151.22 X 149.72 X 149.39	22640	8.976	419.5	18.5	
3	FF Beam concrete	M20	19/08/2022	26/08/2022	149.54 X 151.63 X 149.61	22675	8.359	418.9	18.5	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 16/09/2022

Lab ID	:	CP-2023-04-26-39
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-08-22
Customer ID	:	FF Beam concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	16/09/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	FF Beam concrete	M20	19/08/2022	16/09/2022	149.95 X 149.44 X 151.67	22410	8.519	521.3	23.3	23.2
2	FF Beam concrete	M20	19/08/2022	16/09/2022	150.00 X 151.86 X 149.30	22780	8.831	516.0	22.6	
3	FF Beam concrete	M20	19/08/2022	16/09/2022	149.79 X 149.33 X 150.88	22369	8.373	532.0	23.8	

* The results obtained are satisfactory as per standard requirements.

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ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-04-26-39 **Date: 17/08/2022**

Customer : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Address : Shettyhalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division

Agency : Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091

Customer's Reference : EE/DD/W.O/579/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-08-22

Customer ID : GF Roof Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/08/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	GF Roof Concrete	M20	10/08/2022	17/08/2022	150.36 X 151.06 X 150.19	22713	8.377	419.5	18.5	18.7
2	GF Roof Concrete	M20	10/08/2022	17/08/2022	149.73 X 149.97 X 150.16	22454	8.728	424.0	18.9	
3	GF Roof Concrete	M20	10/08/2022	17/08/2022	151.09 X 151.45 X 151.83	22882	8.358	431.0	18.8	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 07/09/2022

Lab ID	:	CP-2023-04-26-39
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-08-22
Customer ID	:	GF Roof Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	07/09/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Roof Concrete	M20	10/08/2022	07/09/2022	150.27 X 151.05 X 149.57	22698	8.977	529.1	23.3	23.0
2	GF Roof Concrete	M20	10/08/2022	07/09/2022	151.16 X 150.21 X 151.00	22707	8.322	508.0	22.4	
3	GF Roof Concrete	M20	10/08/2022	07/09/2022	150.94 X 150.88 X 151.59	22775	8.913	531.1	23.3	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 27/08/2022

Lab ID	:	**CP-2023-04-26-39**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-08-22
Customer ID	:	FF Roof Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	26/08/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	FF Roof Concrete	M20	19/08/2022	26/08/2022	149.23 X 149.05 X 150.29	22242	8.102	404.1	18.2	18.3
2	FF Roof Concrete	M20	19/08/2022	26/08/2022	151.09 X 150.53 X 149.09	22744	8.142	421.6	18.5	
3	FF Roof Concrete	M20	19/08/2022	26/08/2022	151.38 X 150.70 X 150.30	22814	8.427	415.9	18.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 16/09/2022

Lab ID	:	**CP-2023-04-26-39**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-08-22
Customer ID	:	FF Roof Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	16/09/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	FF Roof Concrete	M20	19/08/2022	16/09/2022	150.81 X 150.03 X 149.69	22626	8.849	523.7	23.1	22.9
2	FF Roof Concrete	M20	19/08/2022	16/09/2022	151.14 X 149.24 X 149.36	22557	8.752	506.3	22.4	
3	FF Roof Concrete	M20	19/08/2022	16/09/2022	150.01 X 149.66 X 150.55	22450	8.799	518.9	23.1	

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 26/08/2022

Lab ID	:	**CP-2023-04-26-39**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-08-22
Customer ID	:	GF Staircase concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	26/08/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Staircase concrete	M20	19/08/2022	26/08/2022	151.70 X 149.16 X 149.55	22628	8.888	422.4	18.7	18.5
2	GF Staircase concrete	M20	19/08/2022	26/08/2022	149.74 X 149.05 X 150.40	22318	8.798	406.3	18.2	
3	GF Staircase concrete	M20	19/08/2022	26/08/2022	149.39 X 150.25 X 151.76	22446	8.227	420.0	18.7	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 16/09/2022

Lab ID	:	**CP-2023-04-26-39**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-08-22
Customer ID	:	GF Staircase concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	16/09/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Staircase concrete	M20	19/08/2022	16/09/2022	149.33 X 150.01 X 151.76	22401	8.684	532.7	23.8	23.6
2	GF Staircase concrete	M20	19/08/2022	16/09/2022	151.58 X 149.10 X 150.52	22601	8.360	519.7	23.0	
3	GF Staircase concrete	M20	19/08/2022	16/09/2022	151.99 X 149.67 X 151.85	22748	8.987	543.9	23.9	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 17/08/2022

Lab ID	:	**CP-2023-04-26-39**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-08-22
Customer ID	:	GF Chejja Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	17/08/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Chejja Concrete	M20	10/08/2022	17/08/2022	150.83 X 149.73 X 150.22	22583	8.900	424.1	18.8	18.3
2	GF Chejja Concrete	M20	10/08/2022	17/08/2022	150.42 X 149.17 X 151.22	22438	8.826	404.2	18.0	
3	GF Chejja Concrete	M20	10/08/2022	17/08/2022	150.01 X 150.02 X 150.62	22504	8.407	409.2	18.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 07/09/2022

Lab ID	:	CP-2023-04-26-39
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-08-22
Customer ID	:	GF Chejja Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	07/09/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Chejja Concrete	M20	10/08/2022	07/09/2022	149.69 X 149.88 X 150.23	22434	8.130	517.0	23.0	23.2
2	GF Chejja Concrete	M20	10/08/2022	07/09/2022	150.86 X 149.07 X 151.99	22489	8.141	515.7	22.9	
3	GF Chejja Concrete	M20	10/08/2022	07/09/2022	151.49 X 149.96 X 150.45	22717	8.695	534.5	23.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2023-04-26-39 **Date: 26/08/2022**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-08-22
Customer ID	:	FF Chejja Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/08/2022

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	FF Chejja Concrete	M20	19/08/2022	26/08/2022	149.25 X 150.13 X 149.47	22406	8.390	411.8	18.4	18.4
2	FF Chejja Concrete	M20	19/08/2022	26/08/2022	149.74 X 149.55 X 151.84	22393	8.215	422.9	18.9	
3	FF Chejja Concrete	M20	19/08/2022	26/08/2022	150.51 X 151.21 X 150.22	22758	8.838	410.6	18.0	

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ಸಂಬಂಧಿಸಿದ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 16/09/2022

Lab ID	:	CP-2023-04-26-39
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-08-22
Customer ID	:	FF Chejja Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	16/09/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	FF Chejja Concrete	M20	19/08/2022	16/09/2022	149.82 X 149.11 X 150.57	22340	8.289	521.2	23.3	23.1
2	FF Chejja Concrete	M20	19/08/2022	16/09/2022	149.42 X 150.30 X 151.22	22458	8.204	507.8	22.6	
3	FF Chejja Concrete	M20	19/08/2022	16/09/2022	151.80 X 151.75 X 150.70	23037	8.649	541.0	23.5	

* The results obtained are satisfactory as per standard requirements.

Note:

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Format No: CP/TF/2017

TEST REPORT FOR SAND MASONRY MORTARS

Lab ID	:	**CP-2023-04-26-39** **Date: 12-09-22**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-09-22
Sample Type	:	Fine Aggregate, M.Sand for Mortar
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2116-1980 (RA-2007) (Specification for Sand for Masonry Mortars) IS: 2386 :1963(Part - 1, 3) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	08-09-22
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS: 2116-1980 (RA-2007)
1	4.75 mm	0	0	0	100	100
2	2.36 mm	85	85	8.5	91.5	90-100
3	1.18 mm	200	285	28.5	71.5	70-100
4	600 micron	146	431	43.1	56.9	40-100
5	300 micron	116.5	547.5	54.8	45.3	5-70
6	150 micron	412.5	960	96.0	4.0	0-15
7	Pan	40	1000	100.0	0.0	0

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TEST REPORT FOR SAND MASONRY MORTARS

Lab ID : **CP-2023-04-26-39** **Date: 12-09-22**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	3.18	–
2	Specific Gravity	2.51	–
3	Material finer than 75 micron(%)	12.2	Crushed Fine aggregate Max 15%
4	Compacted Bulk Density (Kg/litre)	1.90	–
5	Loose Bulk Density (Kg/litre)	1.73	–

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Format No: CP/TF/2017

TEST REPORT FOR PLASTER SAND

Lab ID	:	**CP-2023-04-26-39**	**Date: 12-09-22**
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.	
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.	
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division	
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091	
Customer's Reference	:	EE/DD/W.O/579/2019-20	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	08-09-22	
Sample Type	:	Plaster Sand	
Reference to BIS codes	:	IS: 383 : 2016 (Specification for Coarse and fine Aggregates) IS1542:1992 (RA 2019) (Sand for Plaster - Specification) IS: 2386 :1963(Part - 1, 3) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption	
Date of test	:	08-09-22	
Total weight taken	:	1000 grams	

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 1542:1992
1	10 mm	0	0	0	100	100
2	4.75 mm	25	25	2.5	97.5	95-100
3	2.36 mm	12	37	3.7	96.3	95-100
4	1.18 mm	50	87	8.7	91.3	90-100
5	600 micron	100	187	18.7	81.3	80-100
6	300 micron	215	402	40.2	59.8	20-65
7	150 micron	523	925	92.5	7.5	0-15
8	Pan	75	1000	100	0	---

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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2023-04-26-39 **Date: 12-09-22**

PHYSICAL PROPERTIES

SLno	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.8	-
2	Specific Gravity	2.56	-
3	Material finer than 75 micron(%)	7.5	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The results obtained are satisfactory as per standard requirements.

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Format No: CP/TF/01

TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Date: 06-08-22

Lab ID	:	CP-2023-04-26-39
Customer	:	Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.
Address	:	Shettyhalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Strishakti Bhavan at Abbigere in Ward No 12 Shettyhalli, Shettyhalli Sub division
Agency	:	Sri. Shankarappa M, #32, Nisarga Road, Muneshwara nagara, Sunkadakatte, Bengaluru-560091
Customer's Reference	:	EE/DD/W.O/579/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-08-22
Sample Type/Size	:	Solid concrete blocks size (400X200X200)mm
Reference to BIS codes	:	IS : 2185 (Part 1) : 2005(RA 2020) Concrete Masonry Specification Part 1:Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)
Date of test	:	02-08-22

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^6	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1) :2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	403	199	203	16280	31.639	1943.4	2042.5	Not less than 1800Kg/m^3
2	398	199	202	15999	33.638	2102.6		
3	400	199	203	16159	33.635	2081.5		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	33.91	32.25	4.89	4.25	Shall not be more than 10% by mass
2	33.57	32.14	4.28		
3	33.44	32.24	3.59		

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Lab ID : CP-2023-04-26-39

Date: 06-08-22

DIMENSION ANALYSIS

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	400	200	201	Length : ± 5mm Breadth : ± 3mm Height : ± 3mm
2	403	203	200	
3	404	202	199	
4	403	200	203	
5	403	201	200	
6	400	203	200	
7	401	200	203	
8	401	202	199	
9	400	201	202	
10	403	201	202	
11	403	202	201	
12	401	202	203	
13	401	203	203	
14	400	199	202	
15	402	202	203	
16	404	200	202	
17	403	202	203	
18	402	200	203	
19	400	203	201	
20	404	201	200	
Average of 20	402	201	202	

Page 2/3

CIVIL Pro Sig..... Date..... BANGALORE

Date: 06-08-22

Lab ID : CP-2023-04-26-39

COMPRESSIVE STRENGTH:

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm^2)	(KN)	N/mm^2	(N/mm^2)
1	400	200	79990	370.9	4.6	4.6
2	403	203	81676	370.3	4.5	
3	404	202	81348	370.4	4.6	
4	403	200	80875	370.8	4.6	
5	403	201	80894	370.2	4.6	
6	400	203	81135	370.8	4.6	
7	401	200	80288	370.3	4.6	
8	401	202	81095	370.2	4.6	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C (5.0)	5.00 N/mm^2	4.00 N/mm^2
C (4.0)	4.00 N/mm^2	3.20 N/mm^2

* The Results Obtained are Satisfactory as per Standard Requirements

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